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G. Arthur Cooper - Field notes, circa 1959

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1939 Field trip Central N.Y.
May 18-30, 1959

May 18. Left Washington 7:00 AM., arrived Miljean's Motor Court at 5:30 P.M. after uneventful trip.

May 19 - Section along Oneida Creek.
Opinion of Richardson New Scotland is that it is shaly Coeymans, a reef-flank bed.

Top 6" of Seneca limestone contains Chonostrophia ? in abundance. The rock is dark and suggests transition to The Union Springs.

Oliver stated that a bentonite occurs at the base of the Seneca limestone at Oneida Creek and in same place at Union Springs. He showed that The interval between bentonite and Cherry Valley is 34' at Union Springs and Oneida Cree. The thickness is The same as far east as Cherry Valley, but the Seneca decreases in Thickness as The Union Springs shale increases in The section but always maintaining The combined Thickness of 34'. He believes therefore that the Seneca and Union Springs are equivalent and coeval. The invariable thickness of the distance from Bentonite to Cherry Valley is unusual.

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1940

May 20 - Went to Pecksport to see Pecksport, then to Pine Woods for Salsville. From here to east of Eaton for Morrisville, then to Bliss Quarry north of Morrisville. Afternoon went to section of Delphi Station east of Pompey Center on US 20. Late afternoon went to see Pompey on Electric Light Stream. Butternut exposed above falls with many *Mucrospirifer*, and large *Athyris*.

May 21. Went to see Butternut on hill 1 1/2 miles S of Madison. Saw Mattville with Favosites below this quarry. Went to Kingsley Brook for Chenango and base of Ludlowville. In afternoon visited Colgate Campus for Chenango sandstone. Went to Red Gate Stock Farm 2 mi N of Earlville for Upper Chenango, Stone Mill and lower Ludlowville. Went to Stone Mill Brook for Stone Mill.

May 22 - Went to Cold Spring Brook for Portland Point & Windorn. Then Smyrna to Upperville for Windorn and Tully. Afternoon to Windorn Quarry east of Lebanon Center. Went to Georgetown to see Tully & Genesee in Werners Glen Joined by Sartenaer.

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Went over to Conklins Falls on Tully ☐. At base of section was possible up Pompey, followed by sparsely fossiliferous Butternut

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1941

Then came about 20 feet of beds abounding in *Leiorhynchus* which I think is probably the *Atypa congregata* of Conrad. This was followed by Colgate so, the blue shale with *Sp. venustus*. Above this are 52 feet of shales terminating in a level as followed by 7' of corals. I think all of this belongs in The Centerfield
Bad rain in afternoon.

May 24 - Bad rainy day. Went to see Quarry in Woodhouse member of Onondaga. Went to Jones Quarry 1 mile east of Tully, then to New Woods Rock for Coral bed. Here creek has been dammed & bed covered.

May 25 - Muller Creek for Tully all morning. West Brook S of Sherburne in afternoon. Then 1 1/2 miles S of Columbus for eastern Tully. Paul Sartenaer found excellent *Hypothyridina* in calcareous lenses. Beds for nearly 100' above The West Brook fossil bed are thin sandy shales suggestive of Genesee at West Brook rather than Sherburne as we called them.

May 26 - Spent morning at Stony Creek seeing New Lisbon & Laurens. Afternoon at Houghtalines Glen and Glen one mile NE of Laurens.

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1942

May 27 - Seneca ls. exposed on hill at big bend of US 20 about 2 mi. NE of Cherry Valley on old Johnson road 1/2" NW of old Cherry Valley Turnpike. About 6' of solid heavy but irregularly bedded crinoidal ls. Bentonite at base about 6" thick. The ls is hard and quite unlike the Seneca at Oneida Falls. Many silicified *Atrypa*.

Cherry Valley on US 20 just east of Cherry Valley

[[image: diagram of different layers and measurements where fossils reside]]

Cherry Valley

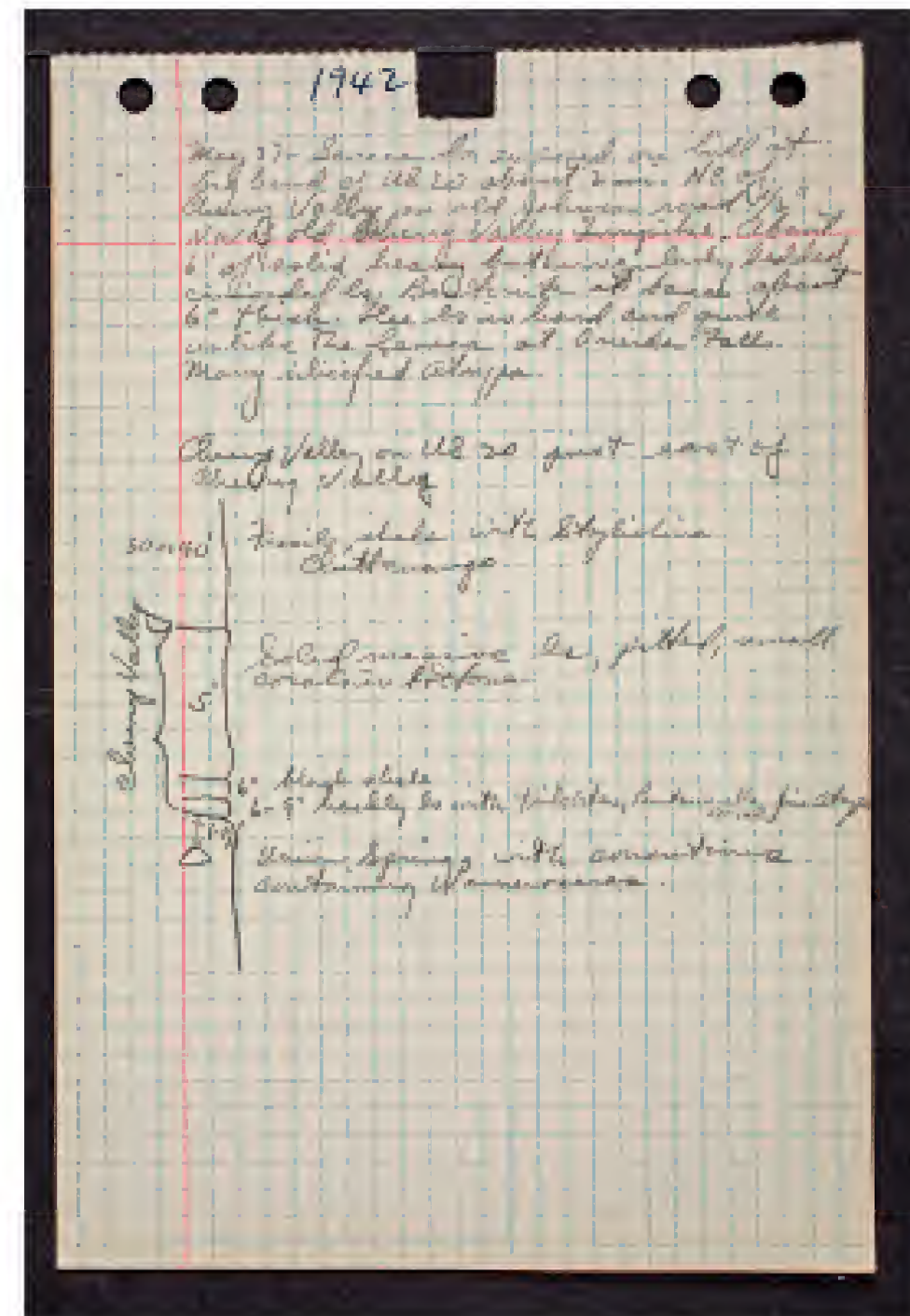
30 or 40' Fissile, shale with *Styliolina* Chittenango

5' Solid massive ls, pitted, small corals in bottom

6" black shale

6-9" hackly ls with trilobites, *Pentamerella* fine *Atrypa* corals

1-1 1/4 Union Springs with concretions containing *Werneroceros*.



1943

Section on US 20
East of Cherry Valley 1-2 miles

[[image: diagram with areas labeling measurements and fossil locations]]

Chittenango with Styliolina

6' Cherry Valley

25' Union Springs

6' Seneca
Bentonite 0'6"
Moorehouse

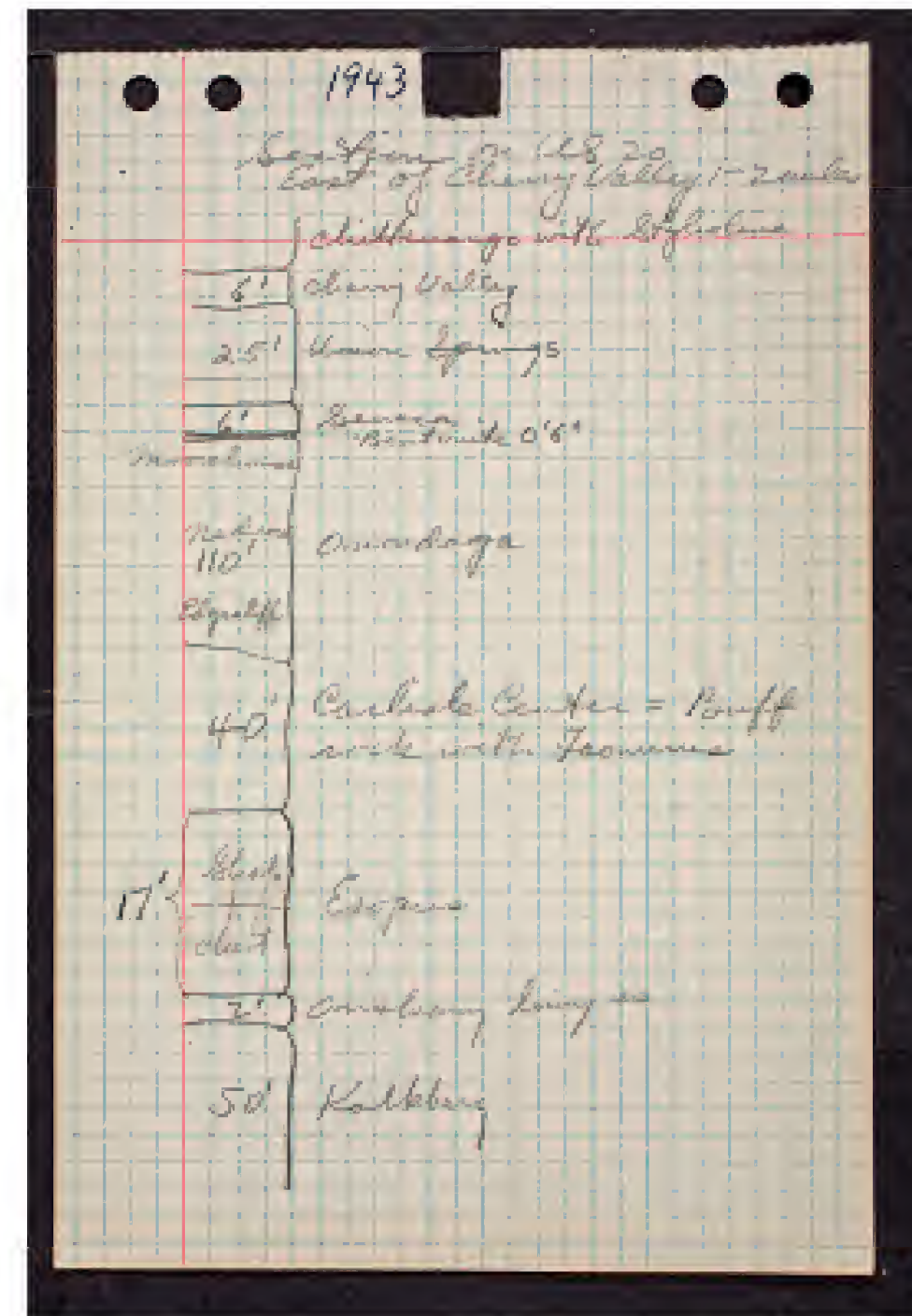
Nedrow
Onondaga
110'
Edgecliff

40' Carlisle Center = Buff
rock with Taonurus

17' Shale Esopus
Chert

2' Oriskany limy ss

50' Kalkberg



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Late morning went to top of hill 1 mile to 1 1/2 miles NW of Cooperstown to see McClures Starfish locality. Found no starfishes. Bed appears to be high in the Skaneateles.

On afternoon saw Portland Point in Hinman Hollow. Exposure beside the road at bend where road crosses stream.

Went opposite dam at Portlandville. Here new roadwork has made fine fresh exposures but collecting is poor. Storm-roller bed in lower Laurens well exposed.

May 28 - Moved over to Cobleskill for night. Went to Summit to see Vitulina bed and Tully. Vitulina 153' above road intersection with old quarry road or about 2313'.

Went to Mill Brook to see pebble bed. This was 229' above road & old road intersection or at 1309'.

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May 29 - Went 1 mile S of Westerlo then to Webber Bridge & Stony Hollow on N.Y. 23 A. Went up gorge west of Palenville to High Falls and then to Mt. Marion.

May 30 - Kingston to Stony Hollow to see Stony Hollow in RR cut then up Stony Hollow to West Hurley. Stopped at Port Jervis to collect Vitulina on top of hill NW of city. Saw coral bed on Pa 90 N of Stroudsburg & Tully at junction 196 & 90. Here a new cut has been made which will be excellent in a few years. Whole cut seems to be Tully.

May 31 - Left Stroudsburg 7:45 and arrived Washington 2 PM.

Mileage on arrival home 32434
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[[line indicating subtraction]]
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